

IN THE CLAIMS:

Please cancel Claims 64, 74 and 84, and incorporate the substance thereof into independent Claims 1 to 3, respectively. Please also cancel Claims 90 to 96 without prejudice or disclaimer of subject matter. Please amend the remaining claims as shown below.

1. (Currently Amended) A displaying method, of acquiring information related to a selected printing apparatus from among a plurality of printing apparatuses by using a network management program in a network management apparatus, and displaying acquired information of the selected printing apparatus, said method comprising:

an invoking step of the network management apparatus invoking the network management program;

a printing apparatus displaying step of the network management program displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step;

a device window display step of the network management program displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is

visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of the device window,

and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked in the invoking step;

a first partial sheet information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting step of the user selecting the designation portion for the second sheet displayed in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

a second acquiring step of, in response to the user's selection of the designation portion for the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network using SNMP, the second partial sheet information related to the selected printing apparatus; and

a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in said second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

wherein if the user selects a designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion for the second sheet at least once before, a determination step of determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing the first partial sheet information or the second partial sheet information previously acquired from the selected printing apparatus.

2. (Currently Amended) A network device control apparatus for acquiring information related to a selected printing apparatus from among a plurality of printing apparatuses by using a network management program in the network device control apparatus, and displaying acquired information of the selected printing apparatus, comprising:

an invoking unit for invoking the network management program;

an printing apparatus displaying unit for displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting unit for accepting a user's selection of a printing apparatus symbol from among the printing apparatus symbols displayed on the display displayed by the printing apparatus displaying unit,

a device window display unit for displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of the device window,

and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

a first acquiring unit for acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked by the invoking unit;

a first partial sheet information display unit for displaying the first partial sheet information, acquired by said first acquiring unit from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting unit for accepting the user's selection of the designation portion for the second sheet displayed in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

a second acquiring unit for, in response to the user's selection of the designation portion for the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network using SNMP, the second partial information related to the selected printing apparatus; and

a second partial sheet information display unit for the second partial sheet information, acquired by said second acquiring unit, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus; and

a determination unit for, if the user selects a designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion for the second sheet at least once before, determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing the first partial sheet

information or the second partial sheet information previously acquired from the selected printing apparatus.

3. (Currently Amended) A computer-readable recording medium storing a program for implementing an acquiring method of acquiring information related to a selected printing apparatus from among a plurality of printing apparatuses by using a network management program in a network management apparatus, and a displaying method of displaying acquired information, the program comprising:

program code for an invoking step of the network management apparatus invoking the network management program;

program code for a printing apparatus displaying step of the network management program displaying on a display symbols representing the plurality of printing apparatuses;

program code for a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step;

program code for a device window display step of the network management program displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of the device window,

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and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

program code for a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked in the invoking step;

program code for a first partial sheet information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

program code for a sheet selecting step of the user selecting the designation portion for the second sheet displayed in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

program code for second acquiring step of, in response to the user's selection of the designation portion for the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing

apparatus via the network using SNMP, the second partial information related to the selected printing apparatus; and

program code for a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in said second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus;
and

program code for a determination step of, if the user selects a designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion of the second sheet at least once before, determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing information acquired from the selected printing apparatus.

4. to 59. (Canceled).

60. (Previously Presented) A displaying method according to Claim 1, wherein said first partial sheet information display step includes forming a list of information required for display of the first sheet, acquiring listed information, and storing the acquired first partial sheet information in a memory.

61. (Canceled).

62. (Previously Presented) A displaying method according to Claim 1, wherein said second partial sheet information display step includes forming a list of information required for display of the second sheet, acquiring listed information, and storing the acquired second partial sheet information in a memory.

63. and 64. (Canceled).

65. (Currently Amended) A displaying method according to ~~Claim 64~~ Claim 1, wherein said first partial sheet information display step or said second partial sheet information display step includes acquiring information from the selected printing apparatus, if it is determined that information is to be acquired from the selected printing apparatus, or acquiring information from the memory, if it is determined that information is to be acquired from the memory.

66. (Previously Presented) A displaying method according to Claim 1, wherein said second partial sheet information display step is executed if a tab, as the designation portion, is clicked on a device window.

67. (Previously Presented) A displaying method according to Claim 1, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an

installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

68. (Previously Presented) A displaying method according to Claim 1, wherein the second sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

69. (Previously Presented) A displaying method according to Claim 1, further comprising a search step of searching for printing apparatuses connected to a network and displaying a list of the printing apparatuses, wherein said first partial sheet information display step is executed when one of the printing apparatuses on the list is selected by a user.

70. to 74. (Canceled).

75. (Currently Amended) An apparatus according to ~~Claim 74~~ Claim 2, wherein said first partial sheet information display unit or said second partial sheet information display unit acquires information from the selected printing apparatus, if it is determined that information is to be acquired from the selected printing apparatus, or

acquires information from the memory, if it is determined that information is to be acquired from the memory.

76. (Cancelled).

77. (Previously Presented) An apparatus according to Claim 2, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

78. (Previously Presented) An apparatus according to Claim 2, wherein the second sheet is a screen that displays status of the selected printing apparatus, a screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

79. (Previously Presented) An apparatus according to Claim 2, further comprising:

a search unit for searching for printing apparatuses connected to a network;

and

a display for displaying a list of the printing apparatuses,

wherein said first partial sheet information display unit executes acquisition of the first information when one of the listed printing apparatuses is selected by a user.

80. to 84. (Canceled).

85. (Currently Amended) A recording medium according to Claim 84 Claim 3, wherein the first partial sheet information display step or the second partial sheet information display step includes acquiring information from the selected printing apparatus, if it is determined that information is to be acquired from the selected printing apparatus, or acquiring information from the memory, if it is determined that information is to be acquired from the memory.

86. (Canceled).

87. (Previously Presented) A recording medium according to Claim 3, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

88. (Previously Presented) A recording medium according to Claim 3, wherein the second sheet is a screen that displays a status of the selected network device, a

screen that displays a list of jobs, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model, or a screen that displays information about a network interface board or information about a network protocol.

89. (Previously Presented) A recording medium according to Claim 3, further comprising:

program code for a search step of searching for network devices connected to a network; and

program code for a display step of displaying a list of the network devices, wherein said first partial sheet information display step is executed when one of the listed network devices is selected by a user.

90. to 99. (Canceled).